CLAIMS

1. A laminate of a multi-layer structure, comprising at least one alicyclic polymer layer (A), at least one thermoplastic resin layer (B) and at least one layer (C) of a resin composition comprising an alicyclic polymer and a thermoplastic resin.

- The laminate according to Claim 1, wherein the thermoplastic resin contained in the resin composition layer (C) is a linear low density polyolefin having a long period of at most 275 angstroms as measured by the small angle X-ray scattering method
- 3. The laminate according to Claim 1, wherein the alicyclic polymer forming the alicyclic polymer layer (A) is a norbornene polymer.
- The laminate according to Claim 3, wherein the
 norbornene polymer is a hydrogenated product of a ringopening polymer of a norbornene monomer.
 - 5. The laminate according to Claim 1, wherein the multi-layer structure is composed of:
- (i) thermoplastic resin layer (B)/resin composition layer(C)/alicyclic polymer layer (A),
 - (ii) thermoplastic resin layer (B)/resin composition layer

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- (C)/alicyclic polymer layer (A)/resin composition layer (C)/thermoplastic resin layer (B), or
- (iii) thermoplastic resin layer (B)/alicyclic polymer
 layer (A)/resin composition layer (C)/alicyclic polymer
 layer (A)/thermoplastic resin layer (B).
 - 6. The laminate according to Claim 1, wherein the total thickness ratio [(A):(B)] of the alicyclic polymer layer (A) to the thermoplastic resin layer (B) is 1:99 to 70:30.
 - 7. The laminate according to Claim 1, wherein the thickness proportion of the resin composition layer (C) is 5 to 100% based on the total thickness (100%) of the alicyclic polymer layer (A) and the thermoplastic resin layer (B).
 - 8. The laminate according to Claim 1, wherein the thickness of the alicyclic polymer layer (A) is 0.1 to 180 μm , the thickness of the thermoplastic resin layer (B) is 0.2 to 250 μm , and the thickness of the resin composition layer (C) is 0.07 to 75 μm .
- 9. The laminate according to Claim 1, wherein the thickness is 0.5 μm to 5 mm.
 - 10. The laminate according to Claim 1, which is in

the form of a film or sheet.

11. The laminate according to Claim 1, which is formed in the form of a container.

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- 12. A laminate of a multi-layer structure,
 comprising at least one alicyclic polymer layer (A), at
 least one thermoplastic resin layer (B) and at least one
 resin layer (D) comprising a linear low density polyolefin
 having a long period of at most 275 angstroms as measured
 by the small angle X-ray scattering method.
- 13. The laminate according to Claim 12, wherein the linear low density polyolefin has a long period of at most 275 angstroms as measured by the small angle X-ray scattering method, and a lamellar thickness of at most 145 angstroms.
- 14. The laminate according to Claim 12, wherein the 20 linear low density polyolefin is an ethylene-α-olefin copolymer obtained by polymerization making use of a metallocene catalyst.
- 15. The laminate according to Claim 12, wherein the
 25 multi-layer structure is composed of alicyclic polymer
 layer (A)/resin layer (D)/thermoplastic resin layer (B).

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- 16. The laminate according to Claim 12, wherein the resin layer (D) contains only a linear low density polyolefin having a long period of at most 275 angstroms as measured by the small angle X-ray scattering method as a resin component.
- 17. A resin composition comprising an alicyclic polymer and a linear low density polyolefin having a long period of at most 275 angstroms as measured by the small angle X-ray scattering method.
- 18. A process for producing a multi-layer laminate, which comprises melting and kneading a laminate material comprising at least one alicyclic polymer layer (A) and at least one thermoplastic resin layer (B) to prepare a resin composition, and then extruding the resin composition, and an alicyclic polymer or a thermoplastic resin or both alicyclic polymer and thermoplastic resin.
- 20 19. The production process according to Claim 18, wherein the extrusion comprises the steps of extruding the resin materials at a resin temperature of 200 to 300°C through a T-die, taking up the extruded laminate by take-up rolls preset to a temperature of 40 to 100°C and then cooling the laminate.